

WALL MOTION ANALYZER
ABSTRACT OF THE DISCLOSURE

5 A system and method for real-time quantitative analysis of heart wall motion is
provided. A Doppler imaging system is used to monitor the movement of a heart, or
other organ. A B-mode reference image of the target organ is made and then a region-of-
interest is defined through the use of a gate. Then pulsed wave spectral tissue Doppler
data of the region-of-interest is formed and used to determine the velocity of a region of
the target organ. The system may be used for determining appropriate biventricular
10 pacemaker settings for patients suffering from heart disease.

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